



Implementing Environmentally Preferred Cleaning Processes



TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

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**Joint Service
Solvent Substitution
Working Group**

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Requirement

Targeted Processes

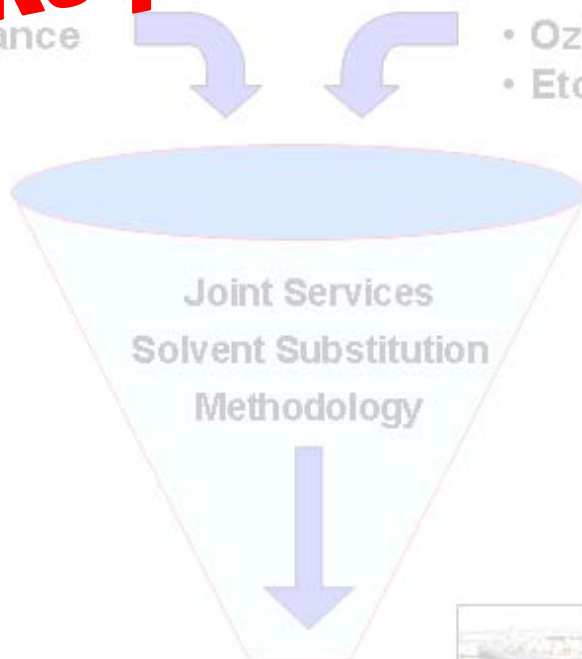
- Aircraft Maintenance
- Ship Maintenance
- Facility Maintenance
- Etc.

Candidate Solutions

- Aqueous Solvents
- Biobased Solvents
- Ozone
- Etc.

Partners

- NAVSEA
- NAVAIR
- Marine Corps
- Army
- Air Force
- NASA

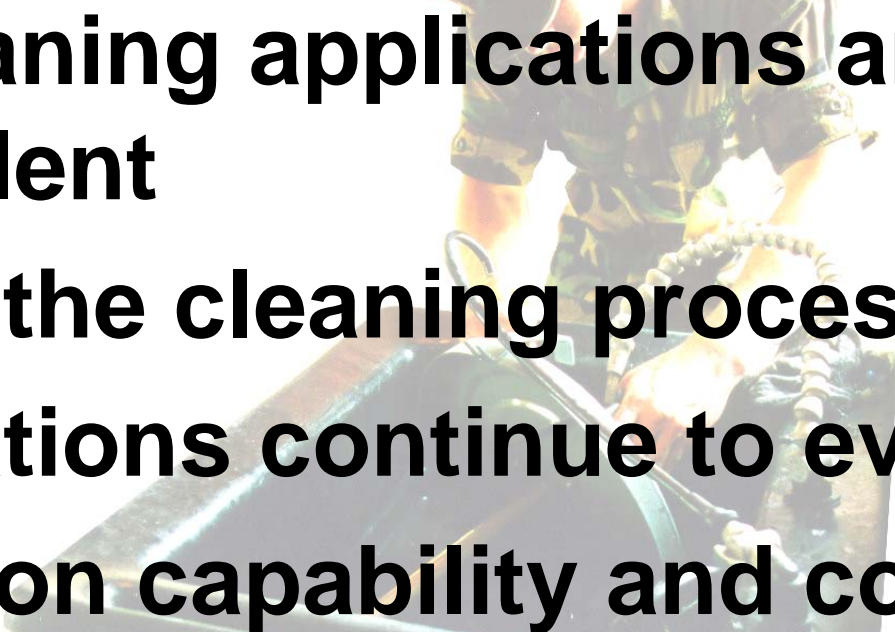


- ← Screening Methodology
- ← Test Protocol
- ← Lab Testing
- ← Field Testing
- ← Process Approval
- ← Update Manuals
- ← User Awareness
- ← Implementation Support

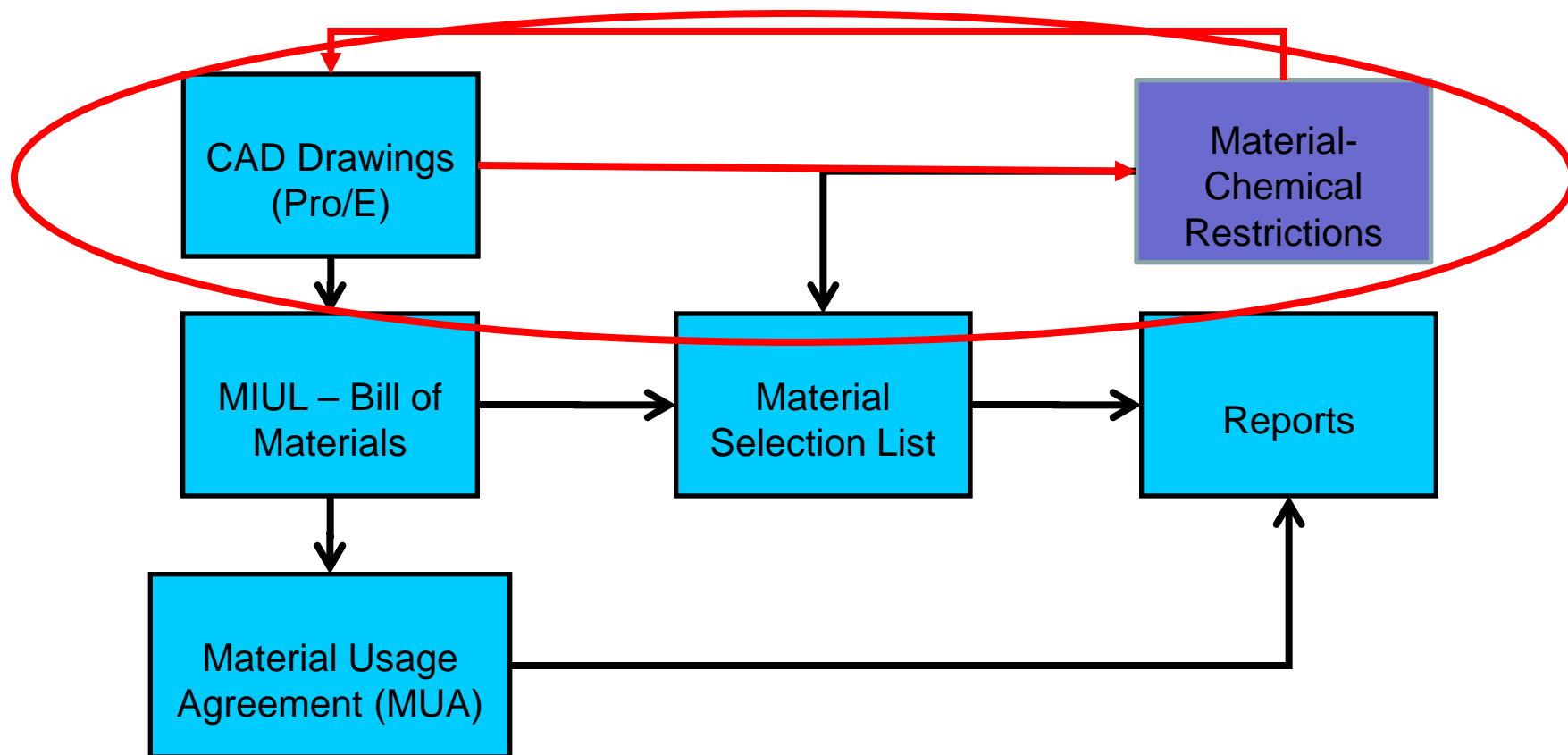
Implementation



Processes not requiring extra record keeping & control measures

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- **All cleaning applications are not equivalent**
 - **Define the cleaning process**
 - **Regulations continue to evolve**
 - **Focus on capability and cost**

- **Define performance**
- **Pursue the possible**
- **Focus on implementation**
- **Engage the user & understand their perspective**
- **Grow champions**





Provide Document
Control



PERFORMANCE SPECIFICATION

**CLEANER, GENERAL, FOR MILITARY
SYSTEMS, LOW OR EXEMPT VOC,
HAP-FREE**




Joint Service Solvent Substitution Working Group

Communication
Collaboration
Coordination



- **Methodology**
- **Information Exchanges**
- **Project Coordination**
- **Project Database**



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- **Look forward**
 - **Focus on capability & cost**
 - **Be realistic**
 - **Know your “customer”**
 - **Put information in the right hands**